

# AMENDMENT NO. 3 FEBRUARY 2022

TO

## IS 7408 (PART 3) : 2000 BLOW MOULDED POLYOLEFIN CONTAINERS — SPECIFICATION

### PART 3 CLOSED HEAD CONTAINERS OVER 60 LITRES, UP TO AND INCLUDING 250 LITRES CAPACITY

( *First Revision* )

(*Foreword, para 6*) — Insert the following new para after para 6:

‘This amendment is based on the FSSAI Regulations 2018 vide notification number F.No. 1-95/Std/Packaging/SP (L&C/A)/FSSAI-2017, and draft amendment Regulations 2020, vide notification number F.No.Std/SP-20/T-01. This amendment includes specific migration limit of toxic substances listed by FSSAI.

This amendment also includes updated references.’

(*Page 1, clause 2*) — Substitute the following for the existing clause:

#### ‘2 REFERENCES

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreement based on standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No./ Other Publication</i>	<i>Title</i>
IS 2798 : 1998	Methods of test for plastics containers ( <i>first revision</i> )

**Price Group 1**

<i>IS No./ Other Publication</i>	<i>Title</i>
IS 3025 (Part 2) : 2019/ ISO 11885 : 2007	Methods of sampling and test (physical and chemical) for water and wastewater: Part 2 Determination of selected elements by inductively coupled plasma optical emission spectrometry (ICP-OES) ( <i>first revision</i> )
IS 4905 : 2015/ ISO 24153 : 2009	Random sampling and randomization procedures ( <i>first revision</i> )
IS 6312 : 1994	Polyethylene containers for the transport of materials—Specification ( <i>second revision</i> )
IS 6865 : 1973	Specification for pallets for use in ISO series 1 Freight containers
IS 7019 : 1998	Glossary of terms in plastics and flexible packaging, excluding paper ( <i>second revision</i> )
IS 7328 : 2020	Specification for polyethylene material for moulding and extrusion ( <i>third revision</i> )
IS 8747 : 1977	Methods of test for environmental stress-crack resistance of blow-moulded polyethylene containers
IS 9845 : 1998	Determination of overall migration of constituents of plastics materials and articles intended to come in contact with foodstuffs — Method of analysis ( <i>second revision</i> )
ISO 18856 : 2004	Water quality — Determination of selected phthalates using gas chromatography/mass spectrometry

(Page 5, clause 7.7) — Insert the following new clauses after 7.7:

### **‘7.8 Determination of Overall Migration**

The limit of overall migration when tested as prescribed in IS 9845 shall not exceed overall migration limit of 60mg/kg or 10mg/dm<sup>2</sup> with no visible colour migration.

### **7.9 Determination of Specific Migration**

**7.9.1** The specific migration is tested to determine the quantity of a specific substance that can migrate from a food packaging material or food container into food. Specific migration limits are usually expressed as mg/kg food.

**7.9.2** The sample/simulants shall be prepared using the procedure described in IS 9845. The testing for detection of toxic substances shall be carried out as per method given in Table 2.

**7.9.3** The limit of specific migration of all toxic substances when tested as prescribed in column 4 of Table 2 shall not release the substances in quantities exceeding the specific migration limits listed under Table 2.

**Table 2 Specific Migration Limits**

( Clauses 7.9.2 and 7.9.3 )

SI No.	Toxic Substances	Migration Limit, Maximum, mg/kg	Test Method
(1)	(2)	(3)	(4)
i)	Barium	1.0	IS 3025 (Part 2)
ii)	Cobalt	0.05	-do-
iii)	Copper	5.0	-do-
iv)	Iron	48.0	-do-
v)	Lithium	0.6	-do-
vi)	Manganese	0.6	-do-
vii)	Zinc	25.0	-do-
viii)	Antimony	0.04	-do-
ix)	Phthalic acid, bis(2-ethylhexyl) ester (DEHP)	1.5	ISO 18856

(Page 5, clause 9.2) — Substitute the following for the existing clause:

## **‘9.2 BIS Certification Marking**

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the products may be marked with the Standard Mark.’